

1 39852/PBH/B600-BP1485 ORP

SINGLE ENDED ANALOG FRONT END

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ABSTRACT

10 An analog front end. The analog front end comprises a  
converter configured to convert a differential input signal to  
a single-ended input signal, and convert a single-ended output  
signal to a differential output signal. And a transformer  
configured to couple the differential input signal from a twisted  
pair telephone line to the converter, and couple the differential  
output signal from the converter to the twisted pair telephone  
15 line.

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